RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10	5	10	19	
Source:	`	II	-W	P	
Date Processed by STIC:		3	122	106	

ENTERED



IFWP

RAW SEQUENCE LISTING DATE: 03/22/2006 PATENT APPLICATION: US/10/570,911 TIME: 15:44:04

Input Set : N:\SSLM\10570911.txt

```
3 <110> APPLICANT: Immusol Inc.
      4
              Hu, Xiuyuan
      5
              Li, Henry
      6
              Ke, Ning
      7
              Grifman, Mirta
      8
              Rogers, Cheryl
      9
              Defife, Kristin
     10
             Habita, Cellia
              Fan, Wufang
     11
              Rhoades, Kristina
     12
     13
              Tan, Philip
              Tritz, Richard
     14
              Wong-Staal, Flossie
     17 <120> TITLE OF INVENTION: METHODS OF IDENTIFYING AGENTS THAT INHIBIT THE GROWTH OF
CANCER
              CELLS
     20 <130> FILE REFERENCE: P-IMM1008PC
C--> 22 <140> CURRENT APPLICATION NUMBER: US/10/570,911
C--> 24 <141> CURRENT FILING DATE: 2006-03-03
     24 <150> PRIOR APPLICATION NUMBER: US 60/500,281
     25 <151> PRIOR FILING DATE: 2003-09-04
     27 <160> NUMBER OF SEQ ID NOS: 38
     29 <170> SOFTWARE: PatentIn version 3.2
     31 <210> SEO ID NO: 1
     32 <211> LENGTH: 5329
     33 <212> TYPE: DNA
     34 <213> ORGANISM: Homo sapiens
     37 <220> FEATURE:
    38 <221> NAME/KEY: misc feature
    39 <222> LOCATION: (1986)..(1986)
     40 <223> OTHER INFORMATION: n is a, c, g, or t
     42 <400> SEQUENCE: 1
     43 gtggtgtegg tgteggeage ateceeggeg ceetgetgeg gtegeeggag ceeteggeet
                                                                               60
     45 ctgtteteet eececteeeg eecttacete eaegegggae egeeegegee agteaaetee
                                                                              120
     47 tegeaetttg eccetgettg geageggata aaaggggget gaggaaatae eggaeaegte
                                                                              180
     49 caccegttge cagetetage etttaaatte eeggeteggg acctecaege acegggetag
                                                                              240
     51 cgccgacaac caqctaqcqt qcaaqqcqcc qcgqctcaqc qcqtaccqqc qqqcttcqaa
                                                                              300
     53 accgcagtcc tccggcgacc ccgaactccg ctccggagcc tcagccccct ggaaagtgat
                                                                              360
    55 cccggcatcg gagagccaag atgccggccc acttgctgca ggacgatatc tctagctcct
                                                                              420
    57 ataccaccac caccaccatt acagegecte cetecagggt cetgeagaat ggaggagata
                                                                              480
    59 agttggagac gatgccctc tacttggaag acgacattcg ccctgatata aaagatgata
                                                                              540
    61 tatatgaccc cacctacaag gataaggaag gcccaagccc caaggttgaa tatgtctgga
                                                                              600
     63 gaaacatcat cettatgtet etgetacaet tgggageeet gtatgggate aetttgatte
                                                                              660
     65 ctacctgcaa gttctacacc tggctttggg gggtattcta ctattttgtc agtgccctgg
                                                                              720
```

RAW SEQUENCE LISTING DATE: 03/22/2006
PATENT APPLICATION: US/10/570,911 TIME: 15:44:04

Input Set : N:\SSLM\10570911.txt

```
67 gcataacagc aggagctcat cgtctgtgga gccaccgctc ttacaaagct cggctgcccc
                                                                            780
    69 tacggetett tetgateatt gecaacacaa tggeatteea gaatgatgte tatgaatggg
                                                                            840
     71 ctcgtgacca ccgtgcccac cacaagtttt cagaaacaca tgctgatcct cataattccc
                                                                            900
    73 gacgtggctt tttcttctct cacgtgggtt ggctgcttgt gcgcaaacac ccagctgtca
                                                                            960
     75 aagagaaggg gagtacgcta gacttgtctg acctagaagc tgagaaactg gtgatgttcc
                                                                           1020
     77 agaggaggta ctacaaacct ggcttgctgc tgatgtgctt catcctgccc acgcttgtgc
                                                                           1080
                                                                           1140
     79 cctggtattt ctggggtgaa acttttcaaa acagtgtgtt cgttgccact ttcttgcgat
     81 atgctgtggt gcttaatgcc acctggctgg tgaacagtgc tgcccacctc ttcgqatatc
                                                                           1200
     83 gtccttatga caagaacatt agcccccggg agaatatcct ggtttcactt ggaqctgtgq
                                                                           1260
     85 gtgagggett ceacaactae caceacteet tteeetatga etaetetgee agtgagtace
                                                                           1320
     87 getggeacat caactteace acattettea ttgattgeat ggeegeeete ggtetggeet
                                                                           1380
    89 atgaccggaa gaaagtctcc aaggccgcca tcttqgccag gattaaaaga accggagatg
                                                                           1440
     91 gaaactacaa gagtggctga gtttggggtc cctcaggttc ctttttcaaa aaccagccag
                                                                           1500
    93 gcagaggttt taatgtctgt ttattaacta ctgaataatg ctaccaggat gctaaagatg
                                                                           1560
    95 atgatgttaa cccattccag tacagtattc ttttaaaaatt caaaagtatt gaaagccaac
                                                                           1620
    97 aactetgeet ttatgatget aagetgatat tatttettet ettateetet etetetteta
                                                                           1680
    99 ggcccattgt cctccttttc actttaatcg ccctcctttc ccttattgcc tcccaggcaa
                                                                           1740
    101 gcagctggtc agtctttgct cagtgtccag cttccaaagc ctagacaacc tttctgtagc
                                                                            1800
    103 ctaaaacgaa tggtctttgc tccagataac tctctttcct tgagctgttg tgagctttga
                                                                            1860
     105 agtaggtggc ttgagctaga gataaaacag aatcttctgg gtagtcccct gttgattatc
                                                                            1920
    107 ttcagcccag gcttttgcta gatggaatgg aaaagcaact tcatttgaca caaagcttct
                                                                            1980
W--> 109 aaagcnaggt aaattgtcgg gggagagagt tagcatgtat gaatgtaagg atgagggaag
                                                                            2040
     111 cgaaggaacc tctcgccatg atcagacata cagctgccta cctaatgagg acttcaagcc
                                                                            2100
     113 ccaccacata gcatgettee ttteteteet ggeteggggt aaaaagtgge tgeggtgttb
                                                                            2160
     115 ggcaatgcta attcaatgcc gcaacatata gttgaggccg aggataaaga aaagacattt
                                                                            2220
    2280
    119 taacaaggag atttcttagt tcatatatca agaagtcttg aagttgggtg tttccagaat
                                                                            2340
    121 tggtaaaaac agcagctcat agaattttga gtattccatg agctgctcat tacagttctt
                                                                            2400
    123 teetetttet getetgeeat etteaggata ttggttette ceeteatagt aataagatgg
                                                                            2460
    125 ctgtggcatt tccaaacatc caaaaaaagg gaaggattta aggaggtgaa gtcgggtcaa
                                                                            2520
    127 aaataaaata tatatacata tatacattgc ttagaacgtt aaactattag agtatttccc
                                                                            2580
    129 ttccaaagag ggatgtttgg aaaaaactct gaaggagagg aggaattagt tgggatgcca
                                                                            2640
    131 atttcctctc cactgctgga catgagatgg agaggctgag ggacaggatc tataggcagc
                                                                            2700
    133 ttctaagagc gaacttcaca taggaaggga tctgagaaca cgttcagggg ttgagaaggt
                                                                            2760
    135 tactgagtga gttattggga gtcttaataa actagatatt aggtccattc attaattagt
                                                                            2820
    137 tccagtttct ccttgaaatg agtaaaaact agaaggcttc tctccacagt gttgtgccc
                                                                            2880
    139 ttcactcatt tttttttgag gagaaggggg tctctgttaa catctagcct aaagtataca
                                                                            2940
    141 aactgootgg ggggcagggt taggaatoto ttoactacco tgattottga ttootggoto
                                                                            3000
    143 taccetgtet gtecetttte tttgaccaga tetttetett ceetgaacgt tttettettt
                                                                            3060
    145 ccctggacag gcagcctcct ttgtgtgtat tcagaggcag tgatgacttg ctgtccaggc
                                                                            3120
    147 agetecetee tgeacacaga atgeteaggg teactgaace actgettete ttttgaaagt
                                                                            3180
    149 agagetaget gecaetttea egtggeetee geagtgtete caectacace cetgtgetee
    151 cctgccacac tgatggctca agacaaggct ggcaaaccct cccagaaaca tctctggccc
                                                                            3300
    153 agaaageete teteteete eeteteteat gagaageeaa gegeteatgt tgageeagtg
                                                                            3360
    155 ggccagccac agagcaaaag agggtttatt ttcagtcccc tctctctggg tcagaaccag
                                                                            3420
    157 agggcatget gaatgeeece tgettaettg gtgagggtge ceegeetgag teagtgetet
                                                                            3480
    159 cagctggcag tgcaatgctt gtagaagtag gaggaaacag ttctcactgg gaagaagcaa
                                                                            3540
    161 gggcaagaac ccaagtgcct cacctcgaaa ggaggccctg ttccctggag tcagggtgaa
                                                                            3600
    163 ctgcaaagct ttggctgaga cctgggattt gagataccac aaaccctgct gaacacagtg
                                                                            3660
```

RAW SEQUENCE LISTING DATE: 03/22/2006
PATENT APPLICATION: US/10/570,911 TIME: 15:44:04

Input Set : N:\SSLM\10570911.txt

1	65	tctgttcagc	aaactaacca	gcattcccta	cagcctaggg	cagacaatag	tatagaagtc	3720
1	67	tggaaaaaaa	caaaaacaga	atttgagaac	cttggaccac	tcctgtccct	gtagctcagt	3780
1	69	catcaaagca	gaagtctggc	tttgctctat	taagattgga	aatgtacact	accaaacact	3840
1	71	cagtccactg	ttgagcccca	gtgctggaag	ggaggaaggc	ctttcttctg	tgttaattgc	3900
1	73	gtagaggcta	caggggttag	cctggactaa	aggcatcctt	gtctttgagc	tattcacctc	3960
1	75	agtagaaaag	gatctaaggg	aagatcactg	tagtttagtt	ctgttgacct	gtgcacctac	4020
1	77	cccttggaaa	tgtctgctgg	tatttctaat	tccacaggtc	atcagatgcc	tgcttgataa	4080
1	79	tatataaaca	ataaaaacaa	ctttcacttc	ttcctattgt	aatcgtgtgc	catggatctg	4140
1	81	atctgtacca	tgaccctaca	taaggctgga	tggcacctca	ggctgagggc	cccaatgtat	4200
1	83	gtgtggctgt	gggtgtgggt	gggagtgtgt	ctgctgagta	aggaacacga	ttttcaagat	4260
1	85	tctaaagctc	aattcaagtg	acacattaat	gataaactca	gatctgatca	agagtccgga	4320
1	87	tttctaacag	tccttgcttt	ggggggtgtg	ctggcaactt	agctcaggtg	ccttacatct	4380
1	89	tttctaatca	cagtgttgca	tatgagcctg	ccctcactcc	ctctgcagaa	tccctttgca	4440
1	91	cctgagaccc	tactgaagtg	gctggtagaa	aaaggggcct	gagtggagga	ttatcagtat	4500
						cttttgttag		4560
1	95	cttaagtgcc	cacatttgat	ggagggtgga	aataatttga	atgtatttga	tttataagtt	4620
						aatggaaaat		4680
						caaataggtc		4740
						agggcctcca		4800
						taaggtgcct		4860
						ggcagttttg		4920
						aattctcaag		4980
						gtgtgtccca		5040
						ggagaagcgg		5100
						cggaaacata		5160
						ggatatagta		5220
						tgaagctaat		5280
				ataaaagtga			J	5329
		<210> SEQ 1		2 2	, ,	3 3		
		<211> LENGT						
2:	24	<212> TYPE:	: DNA					
2:	25	<213> ORGAN	NISM: Homo	sapiens				
		<400> SEQUE		-				
2:	28	gtactcgcca	cggcacccag	gctgcgcgca	cgcggtcccg	gtgtgcagct	ggagagcgag	60
						caggagcccg		120
						atcttaaagg		180
						ggtcctgatg		240
						tccccatag		300
						ttccaaggct		360
						gtgaagctga		420
						acgcagctgc		480
						agcggacagc		540
						gacgccagca		600
						atgggctcct		660
						aaaggccagg		720
						gctgaatatt		780
						tggacagttt		840
						gccctgtact		900
						caggtccaga		960
		-5 5	5 9	J	55	. 55 54	5 5 5 5	

RAW SEQUENCE LISTING DATE: 03/22/2006 PATENT APPLICATION: US/10/570,911 TIME: 15:44:04

Input Set : N:\SSLM\10570911.txt
Output Set: N:\CRF4\03222006\J570911.raw

			tctcccaagt				1020
			ccctggctgg				1080
			ggaagagtat				1140
			agactgaggc				1200
			tttggaccct				1260
			gctcaatctg				1320
			gaccatggcc				1380
			caggaattca				1440
276	gaagtggtct	gaattctgga	atcacaaacc	aagccatgct	ggtgggccat	taatggttgg	1500
278	aaaacacttt	catccggggc	tttgccagag	cgtgctttca	agtgtcctgg	aaagtctgct	1560
280	gcttctccaa	gctttcagac	aagaatgtgc	actctctgct	taggttttgc	ttgggaaact	1620
			cggggcatct				1680
284	ctttaatctg	caccttacaa	ctcggggaca	aatggggaca	ggaaggatca	agttgtagag	1740
286	agaaaaaaga	aaacaagaga	tatacattgt	gatatattag	ggacactttc	acagtcctgt	1800
288	cctctggatc	acagacactg	cacagacctt	agggaatggc	aggttcaagt	tccacttctt	1860
290	ggtggggatg	agaagggaga	gagagctaga	gggacaaaga	gaatgagaag	acatggatga	1920
292	tctgggagag	tctcactttg	gaatcagaat	tggaatcaca	ttctgtttat	caagccataa	1980
294	tgtaaggaca	gaataataca	atattaagtc	caaatccaac	ctcctgtcag	tggagcagtt	2040
296	atgttttata	ctctacagat	tttacaaata	atgaggctgt	tccttgaaaa	tgtgttgttg	2100
298	ctgtgtcctg	gaggagacat	gagttccgag	atgacccaat	ctgcctttga	atctggagga	2160
300	aataggcaga	aacaaaatga	ctgtagaact	tattctctgt	aggccaaatt	tcatttcagc	2220
302	cacttctgca	ggatccctac	tgccaacctg	gaatggagac	ttttatctac	ttctctctct	2280
304	ctgaagatgt	caaatcgtgg	tttagatcaa	atatatttca	agctataaaa	gcaggaggtt	2340
306	atctgtgcag	ggggctggca	tcatgtattt	aggggcaagt	aataatggaa	tgctactaag	2400
308	atactccata	ttcttccccg	aatcacacag	acagtttctg	acaggcgcaa	ctcctccatt	2460
310	ttcctcccgc	aggtgagaac	cctgtggaga	tgagtcagtg	ccatgactga	gaaggaaccg	2520
312	acccctagtt	gagagcacct	tgcagttccc	cgagaacttt	ctgattcaca	gtctcatttt	2580
			tgaagcatag				2640
316	ccctctgact	ctaagaattc	tctcttctgg	aatcgcttga	acccaggagg	cggaggttgc	2700
318	agtaagccaa	ggtcatgcca	ctgcactcta	gcctgggtga	cagagcgaga	ctccatctca	2760
320	aaaaaaaaa	aaaaa					2775
323	<210> SEQ 1	ID NO: 3					
324	<211> LENG	TH: 5060					
325	<212> TYPE:	: DNA					
326	<213> ORGAN	NISM: Homo s	sapiens				
328	<400> SEQUE	ENCE: 3					
329	gcacgagggg	agttcggcgt	ttgctggggc	tgcagcagct	gaagtgtagt	gttttcttgg	60
331	gactggcggt	ctgcacttct	ctcccgggtt	ccatctcccc	ccgcccggtg	gtgaggccct	120
333	cgaggagggc	tcggacgggt	gtagcgatcc	gcgctagagg	aagacgaggc	ccgggaacgc	180
335	atgtccccca	gggcaggtta	gggggctgga	ggggtcaaat	cccggggtac	ttgtggagac	240
337	tctttagcgt	ggcttcttct	ctctgctgag	accccgagag	ctttcccagt	tctcctccca	300
339	ggaccaccgg	ggttcctgaa	gatcgggact	tttctgcgcc	cctccaccaa	cagcccatct	360
341	cctgtctatg	aagaaagacc	cttcgtagaa	acaacttccc	cgctgctgac	gcgttttccc	420
343	gtcccgtccc	cgaagtagtc	tactatgacc	tcgttgtgag	cctctgaacg	attttgacac	480
			tatatcctaa				540
347	ttatgggaaa	tcagcttgct	ggcattgctc	cctcccagat	cctttctgta	gagagttatt	600
349	tttcagatat	tcatgacttt	gaatatgata	aaagcctggg	gagtactcgg	ttttttaaag	660
351	ttgctcgagc	caagcaccga	gaaggcctgg	tcgttgtgaa	ggtttttgca	attcaggatc	720
			tataaacaag				780

RAW SEQUENCE LISTING DATE: 03/22/2006 PATENT APPLICATION: US/10/570,911 TIME: 15:44:04

Input Set : N:\SSLM\10570911.txt

355	ctqcacaqaa	ttqtctacct	ttccaqaaaq	catcagaaaa	agcatctgag	aaagcagcta	840
				tctatgatcg			900
				tccagatcct			960
				agactgagaa			1020
				ttaagcccac			1080
				cacggaggag			1140
				ctgagttaga			1200
				gaacaagagg			1260
				agctttttac			1320
				gacattttt			1380
				taactcagat			1440
				agcagcgtgg			1500
				agtttgccaa	_	_	1560
				tgggcaacat			1620
				ctaaggaaaa			1680
				aatactgtga.			1740
				gtgttgaaat			1800
				ttcctagggt			1860
				aggttcctcg			1920
				tagcccaaga			1980
				cagaaacagc			2040
				accccaataa			2100
				tccaagcctt			2160
				atattgtaaa			2220
				gtcagaaagc			2280
				attggcatct			2340
				ggcaaagctc			2400
				ttgtcattgt			2460
				aaccccatgt			2520
				ggatacgtta			2580
				atgtctactg			2640
417	acccatatat	tacccaacca	ataatacaga	ttgaaagaaa	acttgttctg	ctcagtgttt	2700
419	taaaggaacc	agtaagtcgt	tctatatttg	attatgcttt	gaggtctaaa	gatattacta	2760
421	gcttgttcag	acatcttcac	atgcgtcaga	agaaacgaaa	tggttctctt	cccgactgcc	2820
423	ctccgccaga	ggatcctgcc	atagcacagc	ttctgaagaa	gttgctctca	cagggaatga	2880
425	cagaggaaga	ggaagacaaa	cttctggcac	tgaaagactt	catgatgaaa	tctaataaag	2940
427	caaaggccaa	tatagtggac	cagagccatc	ttcatgatag	tagtcagaaa	ggtgtaattg	3000
429	acttggcagc	tttaggcata	actgggagac	aagttgatct	tgttaaaacc	aaacaagaac	3060
431	cagatgacaa	acgggccaga	aaacatgtaa	aacaagactc	aaatgtaaat	gaagaatgga	3120
433	aaagcatgtt	tgggtcactg	gacccaccaa	acatgccaca	ggccctacct	aaagggagtg	3180
				ctcgttccga			3240
437	tccctttgtc	aacttcttca	caggttccag	aagtgacaac	tgtccaaaat	aaaaaaccag	3300
				catccaccta			3360
				aaaagcggga			3420
443	tagctaagca	gatgatggaa	aatgctgaat	gggagagtaa	accaccacca	cctggatggc	3480
				atgagcataa			3540
				catgttcaaa			3600
				ccactaccag			3660
451	gaattggagg	acgagtcaag	acgctcacat	tctgccaagg	ctcccactat	ttagccatag	3720

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/570,911

DATE: 03/22/2006 TIME: 15:44:05

Input Set : N:\SSLM\10570911.txt

Output Set: N:\CRF4\03222006\J570911.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 1986

VERIFICATION SUMMARY

DATE: 03/22/2006

PATENT APPLICATION: US/10/570,911

TIME: 15:44:05

Input Set : N:\SSLM\10570911.txt

Output Set: N:\CRF4\03222006\J570911.raw

L:22 M:270 C: Current Application Number differs, Replaced Current Application Number

L:24 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1980